

Claims

1. Isolation of tooth material to be treated to protect the surrounding gums and/or adjacent teeth from dental treatment means, obtained by applying a covering composition onto the gums and/or adjacent teeth which cross-links in a self-curing manner at an ambient temperature in the mouth interior and produces an elastomeric material.
2. Isolation according to claim 1, obtained from a covering composition which is produced by mixing a multiple-component system.
3. Isolation according to claim 1, obtained from a covering composition which is produced by mixing a two-component system.
4. Isolation according to claim 1, obtained from a covering composition which is selected from the group of A- silicones.
5. Isolation according to any of claims 1 to 4, obtained from a covering composition which immediately after mixing has a rheological flow-on behaviour when applied in the mouth and within one second after application has such a stability that the applied composition does not run down or spread.
6. Isolation according to any of claims 1 to 5, obtained from a covering composition, of which the cross-linking begins within 20 seconds after mixing the components and is so far advanced within 40 seconds after mixing the components that the composition is solidified as rubber-elastic.
7. Isolation according to any of claims 1 to 6, obtained from a covering composition of which the cross-linking begins within 10 seconds after

mixing the components and which is so far advanced within 20 seconds after mixing the components that the composition is solidified as rubber- elastic.

8. Isolation according to any of claims 1 to 7, obtained from a covering composition of which the cross-linking begins within 5 seconds after mixing the components and is so far advanced within 10 seconds after mixing the components that the composition is solidified as rubber-elastic.
9. Isolation according to any of claims 1 to 8, which can be easily removed in one piece from the mouth without leaving any trace.
10. Method for isolating tooth material to be treated to protect the surrounding gums and/or adjacent teeth from dental treatment means by applying a covering composition according to any of claims 1 to 9 on the gums.
11. Method according to claim 10 in which the area of application is dried before the application of the covering composition.
12. Method according to claim 10 or 11, in which the components are mixed with one another before and/or during the application of the covering composition.
13. Method according to any of claims 10 to 12, in which the covering composition is applied in the flowable state and after the application cross-links in a self-curing manner and produces an elastomeric material.
14. Device for isolating tooth material to be treated and producing a shield for the surrounding gums and/or adjacent teeth from dental treatment means, in

particular by carrying out the method according to any of claims 10 to 13, with a double chamber cartridge with two chambers, a static mixing device connected to the chambers, an application opening supplied by the static mixing device, plungers for simultaneously pressing out the contents of the two chambers through the static mixing device and the application opening and a covering composition according to any of claims 1 to 9, of which the two components are arranged in the two different chambers.